

In the claims

1. (original) A method of fusing first and second datasets, comprising:
 - determining a ranking of a plurality of matching variables associated with the first and second datasets;
 - generating a hierarchical matching grid including a plurality of levels based on the ranking of the plurality of matching variables;
 - identifying first and second sets of match candidates from the first and second datasets based on one of the plurality of levels of the hierarchical matching grid; and
 - fusing records in the first and second sets of match candidates based on probabilities associated with the records.
2. (original) A method as defined in claim 1, wherein determining the ranking of the plurality of matching variables includes ranking the plurality of matching variables based on a relative strength of a relationship between each of the matching variables and a respondent characteristic.
3. (cancelled)
4. (original) A method as defined in claim 1, wherein generating the hierarchical matching grid including the plurality of levels based on the ranking of the plurality of matching variables includes generating a series of binary values so that each of a plurality of bit positions associated with the binary values uniquely corresponds to one of the plurality of matching variables.

5. (cancelled)

6. (cancelled).

7. (original) A method as defined in claim 1, wherein the generating the hierarchical matching grid including the plurality of levels based on the ranking of the plurality of matching variables includes generating the hierarchical matching grid to allow skewed matching on one or more of the matching variables.

8. (original) A method as defined in claim 1, wherein generating the hierarchical matching grid including the plurality of levels based on the ranking of the plurality of matching variables includes establishing a minimum matching level.

9. (original) A method as defined in claim 1, wherein identifying the first and second sets of match candidates from the first and second datasets based on the one of the plurality of levels of the hierarchical matching grid includes using match criteria from the one of the plurality of levels of the hierarchical matching grid to identify records in the second dataset that match records in the first dataset on ones of the plurality of matching variables defined by the match criteria.

10. (cancelled).

11. (original) A method as defined in claim 1, wherein fusing the records in the first and second sets of match candidates based on the probabilities associated with the records includes establishing the probabilities

based on weights associated with records from at least one of the first and second sets of match candidates.

12. (original) A method as defined in claim 1, further comprising:
comparing a first sum of weights associated with the first set of match candidates with a second sum of weights associated with the second set of match candidates;

identifying one of the first and second sets of match candidates as overweight based on the comparison of the first and second sums of weights;
and

trimming records of one of the first and second sets of match candidates identified as overweight prior to fusing the records in the first and second sets of match candidates.

13. (cancelled)

14. (cancelled)

15. (cancelled)

16. (original) A system for fusing first and second datasets,
comprising:

a memory; and

a processor coupled to the memory and configured to:

determine a ranking of a plurality of matching variables associated with the first and second datasets;

generate a hierarchical matching grid including a plurality of levels based on the ranking of the plurality of matching variables;

identify first and second sets of match candidates from the first

and second datasets based on one of the plurality of levels of the hierarchical matching grid; and

fuse records in the first and second sets of match candidates based on probabilities associated with the records.

17. (original) A system as defined in claim 15, wherein the processor is configured to determine the ranking of the plurality of matching variables by ranking the plurality of matching variables based on a relative strength of a relationship between each of the matching variables and a respondent characteristic.

18. (cancelled)

19. (original) A system as defined in claim 15, wherein the processor is configured to generate the hierarchical matching grid including the plurality of levels based on the ranking of the plurality of matching variables by generating a series of binary values so that each of a plurality of bit positions associated with the binary values uniquely corresponds to one of the plurality of matching variables.

20. (cancelled)

21. (cancelled).

22. (original) A system as defined in claim 15, wherein the processor is configured to generate the hierarchical matching grid having the plurality of levels based on the ranking of the plurality of matching variables by generating the hierarchical matching grid to allow skewed matching on one or more of the matching variables.

23. (original) A system as defined in claim 15, wherein the processor is configured to generate the hierarchical matching grid including the plurality of levels based on the ranking of the plurality of matching variables by establishing a minimum matching level.

24. (original) A system as defined in claim 15, wherein the processor is configured to identify the first and second sets of match candidates from the first and second datasets based on the one of the plurality of levels of the hierarchical matching grid by using match criteria from the one of the plurality of levels of the hierarchical matching grid to identify records in the second dataset that match records in the first dataset on ones of the plurality of matching variables defined by the match criteria.

25. (cancelled).

26. (original) A system as defined in claim 15, wherein the processor is configured to fuse the records in the first and second sets of match candidates based on the probabilities associated with the records by establishing the probabilities based on weights associated with records from at least one of the first and second sets of match candidates.

27. (original) A system as defined in claim 15, wherein the processor is configured to:

compare a first sum of weights associated with the first set of match candidates with a second sum of weights associated with the second set of match candidates;

identify one of the first and second sets of match candidates as overweight based on the comparison of the first and second sums of weights;

and

trim records of the one of the first and second sets of match candidates identified as overweight prior to fusing the records in the first and second sets of match candidates.

28. (cancelled)

29. (cancelled)

30. (cancelled)

31. (original) A machine readable medium having instructions stored thereon that, when executed, cause a machine to:

determine a ranking of a plurality of matching variables associated with first and second datasets;

generate a hierarchical matching grid including a plurality of levels based on the ranking of the plurality of matching variables;

identify first and second sets of match candidates from the first and second datasets based on one of the plurality of levels of the hierarchical matching grid; and

fuse records in the first and second sets of match candidates based on probabilities associated with the records.

32. (original) A machine readable medium as defined in claim 31 having instructions stored thereon that, when executed, cause the machine to determine the ranking of the plurality of matching variables by ranking the plurality of matching variables based on a relative strength of a relationship between each of the matching variables and a respondent characteristic.

33. (original) A machine readable medium as defined in claim 31 having instructions stored thereon that, when executed, cause the machine to generate the hierarchical matching grid including the plurality of levels based on the ranking of the plurality of matching variables by generating a series of binary values so that each of a plurality of bit positions associated with the binary values uniquely corresponds to one of the plurality of matching variables.

34. (original) A machine readable medium as defined in claim 31 having instructions stored thereon that, when executed, cause the machine to generate the hierarchical matching grid including the plurality of levels based on the ranking of the plurality of matching variables by generating the hierarchical matching grid to allow skewed matching on one or more of the matching variables.

Claims 35-67 (cancelled)